

Appl. No. 10/806,493
Examiner: WUJCIAK, ALFRED J, Art Unit 3632
In response to the Office Action dated October 5, 2005

Date: January 5, 2006
Attorney Docket No. 10113961

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently amended): A liquid crystal display, comprising:

a supporting base having a first section, a second section, a third section, a first pivot positioned between the first section and the second section, and a second pivot positioned between the second section and the third section;

a display unit connected to the third section of the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and

a pre-force mechanism having a first end connected to the first pivot and a second end movably disposed in the second section, exerting a second torque on the first pivot, and the second torque and the first torque being in opposite directions.

Claim 2 (Original): The liquid crystal display as claimed in claim 1, wherein the second section of the supporting base is hollow, and the pre-force mechanism is disposed in the second section.

Claim 3 (Original): The liquid crystal display as claimed in claim 2, wherein the first pivot comprises a fixed element connected to the first section of the supporting base, and a movable element connected to the second section of the supporting base.

Claim 4 (Original): The liquid crystal display as claimed in claim 3, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section of the supporting base, and a spring disposed on the rod and pressed against the stopper.

Claim 5 (Original): The liquid crystal display as claimed in claim 4, wherein the rod comprises a first end coupled to the fixed element of the first pivot, a second end, and a middle portion located between the first end and the second end.

Appl. No. 10/806,493
Examiner: WUJCIAK, ALFRED J, Art Unit 3632
In response to the Office Action dated October 5, 2005

Date: January 5, 2006
Attorney Docket No. 10113961

Claim 6 (Original): The liquid crystal display as claimed in claim 5, wherein the fixed element of the first pivot comprises an opening, and the first end of the rod is hooked at the opening such that the rod is coupled to the fixed element.

Claim 7 (Original): The liquid crystal display as claimed in claim 5, wherein the second end of the rod is thinner than the middle portion of the rod so that the spring is positioned between the stopper and the second end of the rod.

Claim 8 (Original): The liquid crystal display as claimed in claim 5, wherein the spring is integrally formed on the second end of the rod.

Claim 9 (Currently amended): The liquid crystal display as claimed in claim 5 further comprising a wear ~~linear~~ liner disposed between the second end of the rod and the second section of the supporting base.

Claim 10 (Currently amended): The liquid crystal display as claimed in claim 9, wherein the wear ~~linear~~ liner is fixed on the second end of the rod.

Claim 11 (Original): The liquid crystal display as claimed in claim 9, wherein the wear liner is fixed on an inner wall of the second section of the supporting base.

Claim 12 (Currently amended): A liquid crystal display, comprising:
a supporting base having at least two sections and at least one pivot connecting the two sections;
a display unit lifted by the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and
a pre-force mechanism having a first end connected to the pivot and a second end movably disposed in one of the two sections, exerting a second torque on the pivot, and the second torque and the first torque being in opposite directions.

Claim 13 (Original): The liquid crystal display as claimed in claim 12, wherein one of the two sections of the supporting base is hollow, with the pre-force mechanism disposed therein.

Appl. No. 10/806,493
Examiner: WUJCIK, ALFRED J, Art Unit 3632
In response to the Office Action dated October 5, 2005

Date: January 5, 2006
Attorney Docket No. 10113961

Claim 14 (Currently amended): ~~[[An]] A supporting base for supporting a device, comprising:~~

- a first section;
- a second section;
- a first pivot coupled to the first section and the second section;
- a third section exerting a first torque connected to the device;
- a second pivot coupled to the third section and the second section; and
- a pre-force mechanism having a first end connected to the first pivot and a second end

movably disposed in the second section;

~~wherein the device exerts a first torque on the first pivot by a weight of the device, and~~
the pre-force mechanism exerts a second torque opposite to the first torque on the first pivot.

Claim 15 (Original): The supporting base as claimed in claim 14, wherein the second section is hollow, and the pre-force mechanism is disposed in the second section.

Claim 16 (Original): The supporting base as claimed in claim 15, wherein the first pivot comprises a fixed element connected to the first section and a movable element connected to the second section.

Claim 17 (Original): The supporting base as claimed in claim 16, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section, and a spring disposed on the rod and pressed against the stopper.

Claim 18 (Original): The supporting base as claimed in claim 17, wherein the rod comprises a first end coupled to the fixed element of the first pivot, a second end, and a middle portion located between the first end and the second end.

Claim 19 (Currently amended): The supporting base as claimed in claim 18, wherein the fixed element of the first pivot comprises an opening, and the first end of the rod is hooked at the opening of the fixed element of the first pivot such that the rod is coupled to the fixed element.

Appl. No. 10/806,493

Examiner: WUJCIAK, ALFRED J, Art Unit 3632

In response to the Office Action dated October 5, 2005

Date: January 5, 2006

Attorney Docket No. 10113961

Claim 20 (Original): The supporting base as claimed in claim 18, wherein the second end of the rod is thinner than the middle portion of the rod so that the spring is positioned between the stopper and the second end of the rod.

Claim 21 (Original): The supporting base as claimed in claim 18, wherein the spring is integrally formed on the second end of the rod.

Claim 22 (Original): The supporting base as claimed in claim 18 further comprising a wear liner disposed between the second end of the rod and the second section.

Claim 23 (Original): The supporting base as claimed in claim 22, wherein the wear liner is fixed on the second end of the rod.

Claim 24 (Original): The supporting base as claimed in claim 22, wherein the wear liner is fixed on an inner wall of the second section.

Claim 25 (New): A liquid crystal display, comprising:

- a supporting base having a first section, a second section, a third section, a first pivot positioned between the first section and the second section, and a second pivot positioned between the second section and the third section, wherein the first pivot comprises a fixed element connected to the first section of the supporting base and a movable element connected to the second section of the supporting base;

- a display unit connected to the third section of the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and

- a pre-force mechanism disposed in the second section and connected to the first pivot to exert a second torque on the first pivot, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section of the supporting base, and a spring disposed on the rod and pressed against the stopper.